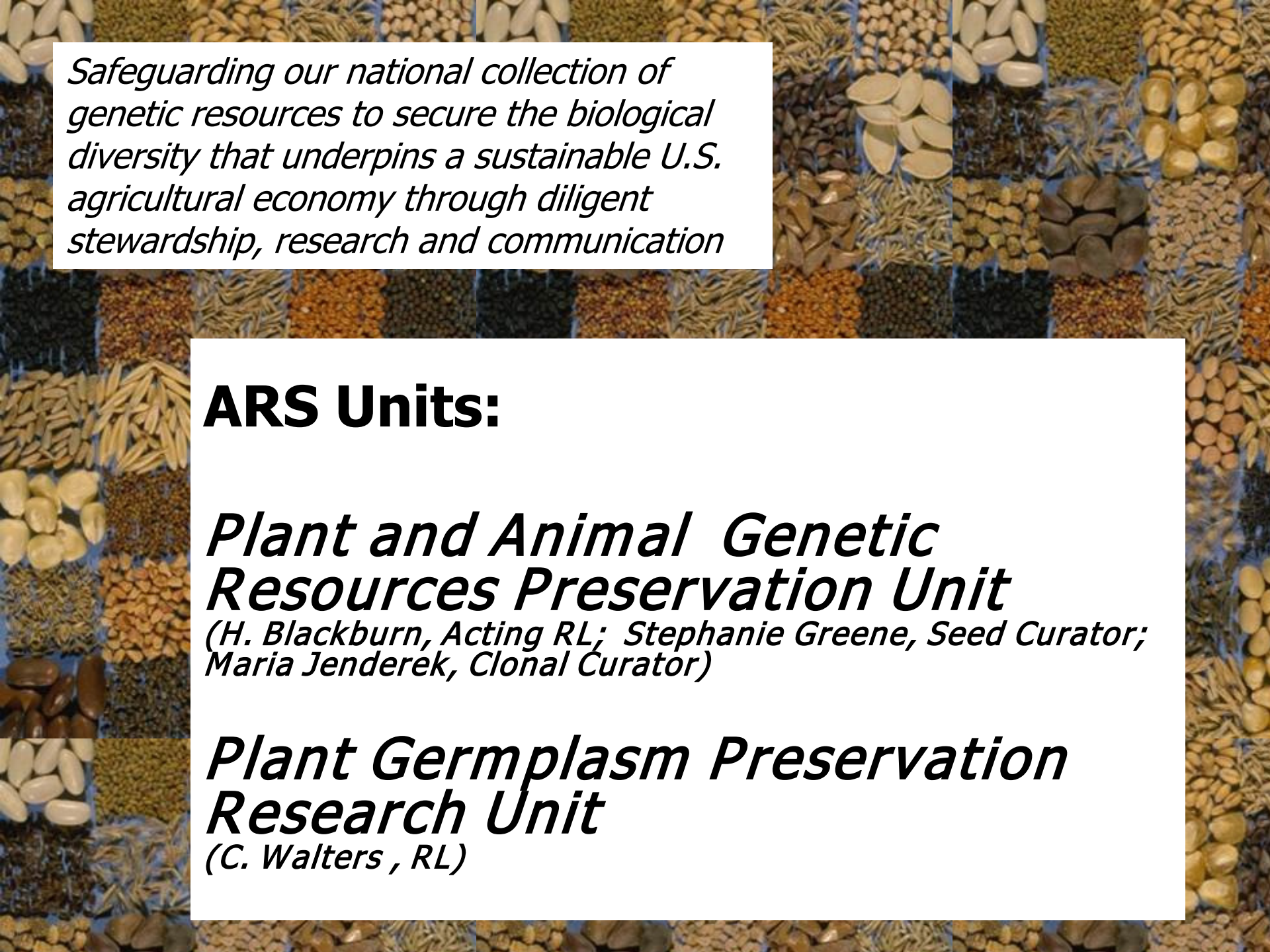


# **National Center for Genetic Resources Preservation**

**1111 South Mason St  
Fort Collins, CO**





*Safeguarding our national collection of genetic resources to secure the biological diversity that underpins a sustainable U.S. agricultural economy through diligent stewardship, research and communication*

## **ARS Units:**

### ***Plant and Animal Genetic Resources Preservation Unit***

*(H. Blackburn, Acting RL; Stephanie Greene, Seed Curator; Maria Jenderek, Clonal Curator)*

### ***Plant Germplasm Preservation Research Unit***

*(C. Walters, RL)*



# **NCGRP Summary (2014)**

- **Total NPGS accessions 540,062**
- **Backed up at NCGRP 78%**
- **NCGRP unique accessions- 18,159**
- **Also provide safety backup for non-NPGS plant germplasm**
  - **7379 Plant Variety Protection accessions**
  - **1737 *Journal of Plant Registration***
  - **300,000 black-box accessions**
  - **Center for Plant Conservation, USFS**



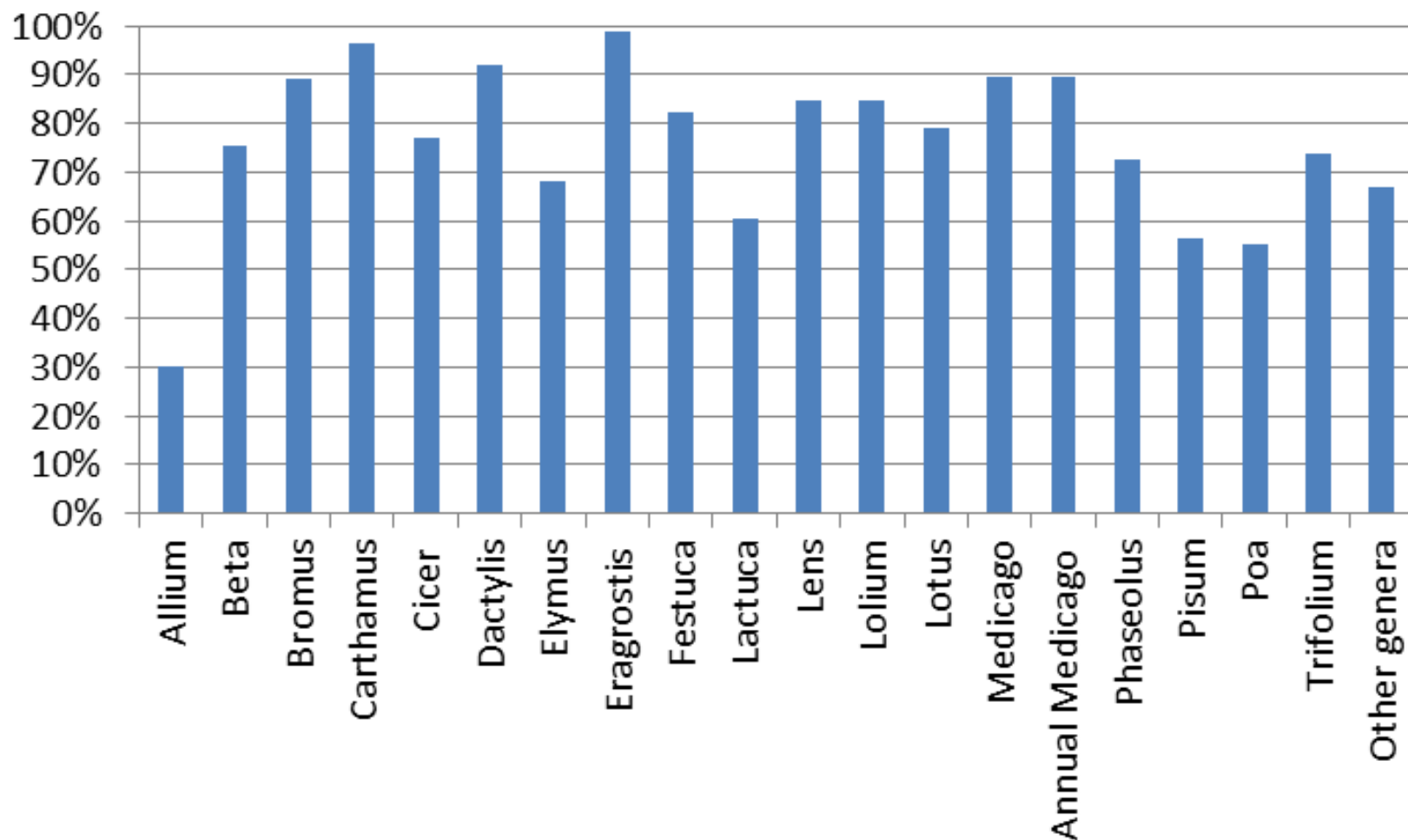


# 2014 Overview

- **Received 8,371 accessions**
- **5410 germination tests were conducted on incoming accessions and 2433 monitor tests were conducted on stored seed**
- **Sent out 114 orders, comprising 603 seed inventories. Also sent out 109 tissue culture inventories to Corvallis repository**
- **18,473 accessions are ready to be shipped to Svalbard**

# W6 Collections backed up at NCGRP

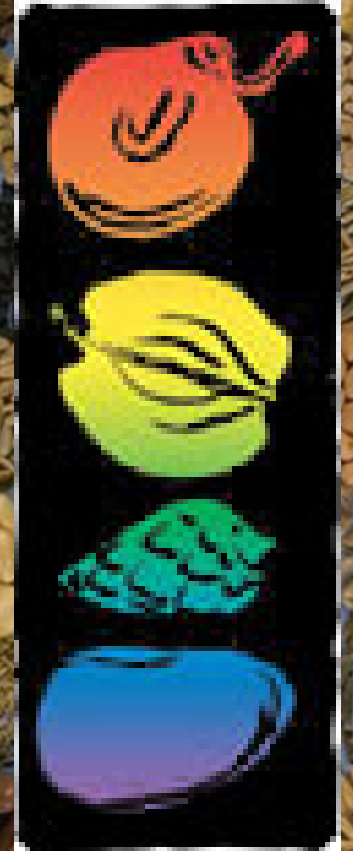
(overall 73%, up 1% from 2013)



# Seeds of Success (SOS)

- BLM native plants collection program
- Coordinated by Pullman with back-up at Fort Collins
- Received 1099 accessions in 2014
- Total of 8389 accessions at NCGRP with 7889 tested and in storage
- Accessions are in GRIN and are being incorporated into the NPGS collections for distribution

SEEDS

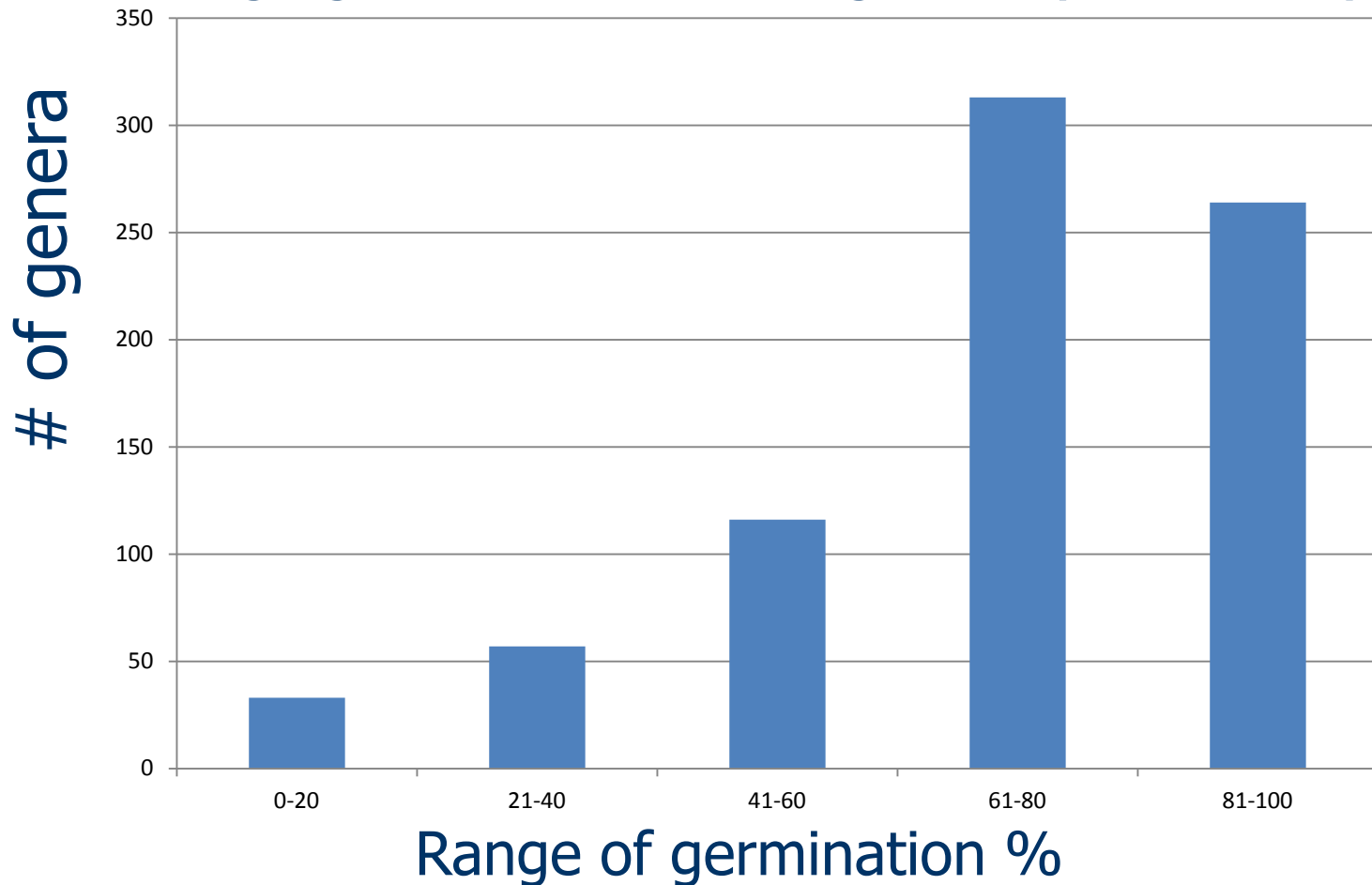


OF SUCCESS

# SOS native seeds

## Wide range of seed viability

Average germination of 783 genera (7746 tests)







# **NCGRP Challenges**

- **Develop germination and storage protocols for wild native species**
- **Develop routine monitor testing based on FAO standards of testing intervals that are 1/3 expected longevity of species**
- **Increase level of clonal security back up**
- **Loss of technical help-retirements**